

Session Review

- Diagnosis and Forecast
- Airborne and Remote Detection
- Characterization Methods, Standards, and Software Tools
- Instrumentation and Data Processing

Recommendations

- Encourage intercomparisons and collaborations on forecast training, development and verification
- Conduct a workshop on methods for natural icing certification trials: instrumentation and data processing
- Plan a shoot-out on remote sensing capabilities in '06-'07
- Coordinate technology transfer procedures
- Devise a meteorologically-based icing severity definition
- Assess completeness of SLD database

Encourage intercomparisons and collaborations on forecast training, development and verification

- Focus efforts
- ADWICE and SIGMA cover Europe many countries
 - Questions about use
- CIP covers part of Canada but relies on US data sets
 - Obvious collaboration opportunity
 - SuperCIP CONUS, Canada, Alaska
- Upgraded operational models (e.g., RUC and Eta in US, GEM in Canada) include liquid water content (LWC) but
 - How good is it?
 - Needs verification
- Plan forecast exercises in conjunction with field experiments

Conduct workshop on methods for natural icing certification trials: instrumentation and data processing

- Current procedures are (perhaps needlessly) complicated and expensive
- There is a need for references
- Current materials and knowledge are not up-to-date
- Must be very careful interpreting data sets
- Current instrument suites are not well suited for important icing conditions
 - SLD
 - Mixed-phase
 - Drops (or ice crystals) in the 50-100 μm diameter range

Plan a shoot-out on remote sensing capabilities in '06-'07

- NIRSS, GRIDS, SPolKa and AVISA are in very early stages
- Common data set for test and evaluation
- What are system capabilities and limitations?

Coordinate technology transfer procedures

- •Research is great, but how do we get these products out to users?
- •AWTT in USA, similar systems in other countries?
- •First step may be to coordinate US/Canadian procedures
- Effective information dissemination
 - -Color schemes that make sense
 - -"one stop shopping"
 - -Tailored to user needs



- •We need a meteorological definition of severity
 - -Forecasts, remote detection, pilots
 - -Must address what each of these groups has for data inputs





Summary

